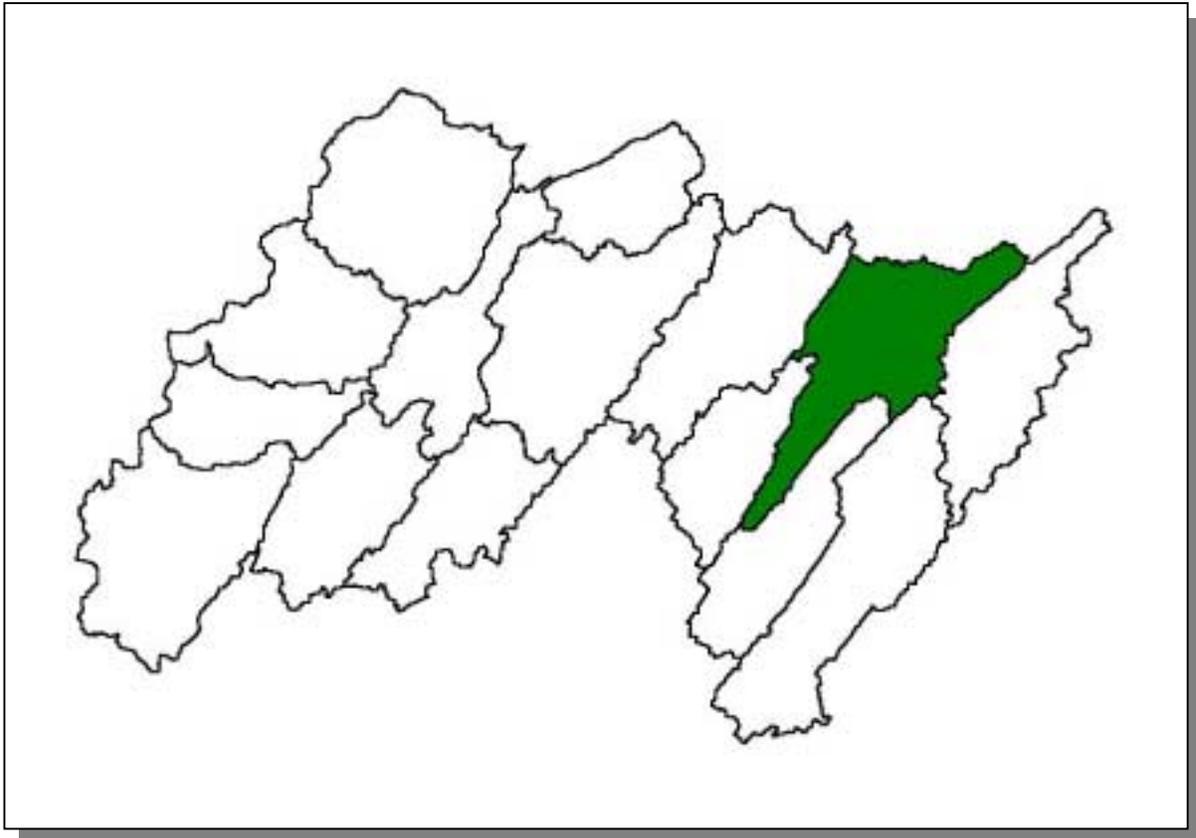
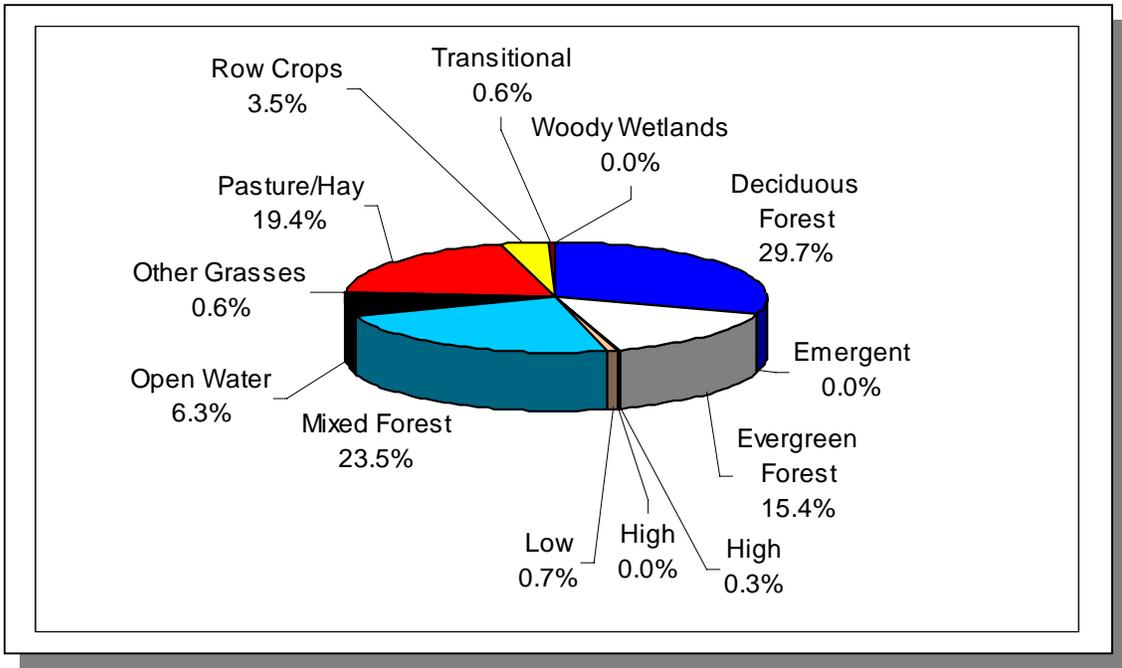


**4.2.C. 06010201160.**



**Figure 4-16. Location of Subwatershed 06010201160.** All Watts Bar HUC-14 subwatershed boundaries are shown for reference.



**Figure 4-17. Land Use Distribution in Subwatershed 06010201160.** More information is provided in Watts Bar-Appendix IV.

4.2.C.i. General Description.

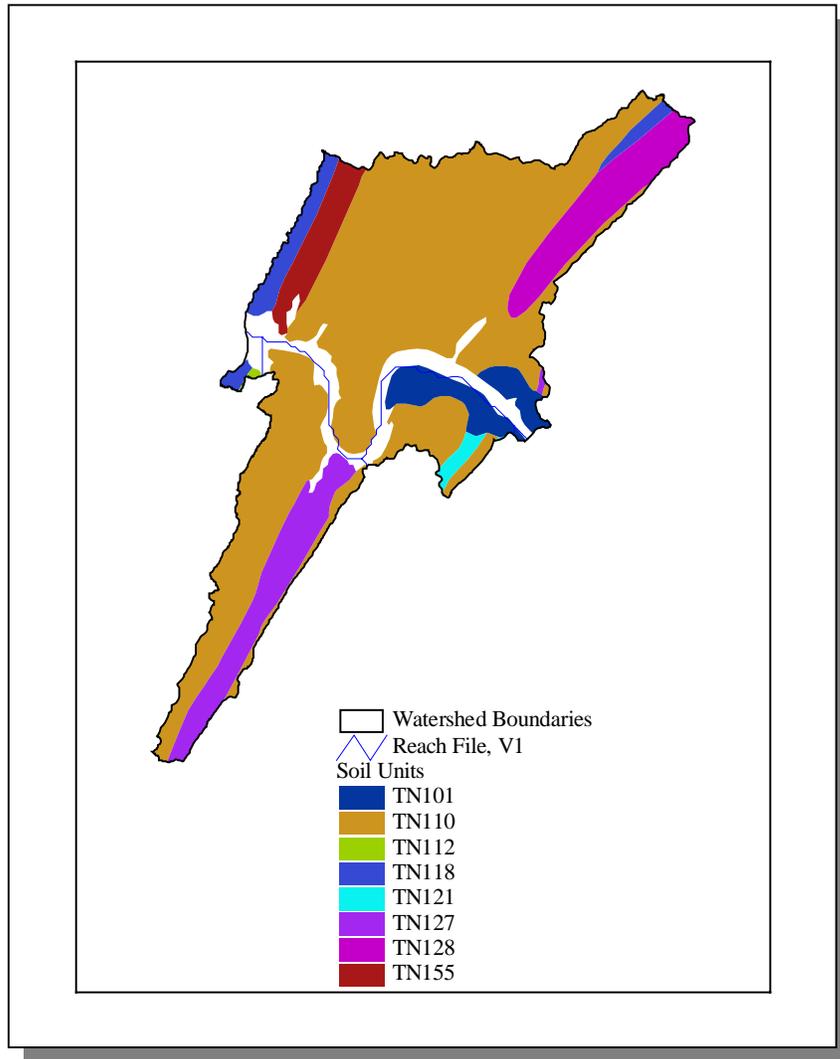


Figure 4-18. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 06010201160.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN101	0.0	B	1.71	5.39	Loam	0.35
TN110	0.0	B	2.22	4.96	Loam	0.31
TN112	2.0	C	2.36	5.09	Loam	0.35
TN118	0.0	C	6.52	5.12	Loam	0.29
TN121	0.0	B	1.30	5.21	Loam	0.33
TN127	3.0	C	1.31	5.20	Loam	0.35
TN128	0.0	C	1.30	6.53	Clayey Loam	0.26
TN155	0.0	C	1.71	5.31	Loam	0.32

Table 4-20. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 06010201160. More information is provided in Watts Bar-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Loudon	31,255	38,245	10.9	3,397	4,156	22.3
Roane	47,227	49,885	6.7	3,141	3,317	5.6
<b>Total</b>	<b>78,482</b>	<b>88,130</b>		<b>6,538</b>	<b>7,473</b>	<b>14.3</b>

*Table 4-21. Population Estimates in Subwatershed 06010201160.*

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Loudon	Loudon	4,026	1,832	1,701	131	0

*Table 4-22. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 06010201160.*

**4.2.C.ii.** Point Source Contributions.

No Contributions.

**4.2.C.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Chickens	Hogs	Sheep
1,661	3,784	437	5	20	42

**Table 4-23. Summary of Livestock Count Estimates in Subwatershed 06010201160.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Bledsoe	62.3	62.3	1.1	3.5
Roane	153.1	153.1	1.7	5.1
<b>Total</b>	<b>215.4</b>	<b>215.4</b>	<b>2.8</b>	<b>8.6</b>

**Table 4-24. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 06010201160.**

CROPS	TONS/ACRE/YEAR
Non Agricultural Land Use	0.00
Legume Grass (Hayland)	0.60
Grass (Pastureland)	1.70
Legume (Pastureland)	0.23
Grass, Forbs, Legumes (Mixed Pasture)	0.52
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.84
Corn (Row Crops)	3.12
Tobacco (Row Crops)	2.98
Grass (Hayland)	0.86
Legume (Hayland)	0.77
Forest Land (Grazed)	0.00
Wheat (Close Grown Cropland)	2.79

**Table 4-25. Annual Estimated Total Soil Loss in Subwatershed 06010201160.**